Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/09/2019 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124596	-1	1.62	124716	1.61
Blue	F	SSC	125000	124283	-1	1.5	125106	1.52
Blue	E	FITC	16433	16084	-3	2.86	351	19.09
Blue	D	PE	27595	27256	-2	2.14	593	14.3
Blue	B	PerCP-Cy5-5	43183	42782	-1	3.76	1150	19.82
Blue	A	PE-Cy7	31943	32146	0	6.12	618	40.14
Red	C	APC	42819	42187	-2	2.41	1490	12.05
Red	A	APC-Cy7	31261	29941	-5	2.25	800	11.78
Violet	B	V450	6527	6315	-4	5.07	353	13.62
Violet	A	V500	24533	23670	-4	4.81	551	10.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17815	7.85	611	11	N/A	N/A	Pass
Blue	F	SSC	56593	1.22	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0229	158	Pass
Blue	D	PE	125	48.23	537	3	0.1783	283	Pass
Blue	B	PerCP-Cy5-5	212	49.42	648	6	0.0097	89	Pass
Blue	A	PE-Cy7	117	98.84	696	7	0.0113	18	Pass
Red	C	APC	355	25.54	581	-2	0.0251	195	Pass
Red	A	APC-Cy7	176	28.24	559	-4	0.0057	866	Pass
Violet	B	V450	53	63.54	454	-1	0.0549	2556	Pass
Violet	A	V500	82	34.48	465	-2	0.0235	878	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.18	-31.70	0.96
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	15.52	13.60 - 20.40	N/A	N/A	29.36	29.77	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10376

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments